STATE OF CALIFORNIA CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification
Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base-year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, 9th Floor
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:
Please select the ONE choice below that best explains your request to the Board.
☐ 1. Use a recent generation-based study to calculate our current reporting-year generation amount, but not officially change our existing Board-approved base year.
☑ 2. Use a recent-generation-based study to officially change our existing Board-approved base year to a new base year.
The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative.

Section I: Jurisdiction Information and Certification *All respondents must complete this section.*			
I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:			
Jurisdiction Name City of Big Bear Lake		County San Bernardino	
Authorized Signature Scott Arenella		Title SR. ADMINISTRATIVE ANALYST	
Type/Print Name of Person Signing Scott Arenella		Date 8/22/01	Phone ( ) Include Area Code 909-866-5831
Person Completing This Form (please print or type)		Title	
Affiliation:			
Mailing Address	City	State	ZIP Code
E-mail address			

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary— reference each response to the appropriate cell number (e.g., 4).

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base-year:	2. Proposed new generation-based study year:
1990	1998

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

THE DIVERSION PROGRAMS HAVE BEEN ON-GOING FOR SEVERAL YEARS.

4. Enter your diversion rates below.

Diversion rate calculated using existing base year	**a. -48 %**	**Diversion rate calculated using new generation-based study**	**b. 72 %**
For existing base year pounds/person/day based on generation	**10.46**	**For new generation based study pounds/person/day based on generation**	**56.25**
Residential generation 39.61 % **Non-Residential Generation 60.39 %**		**Residential generation 11 %** **Non-Residential generation 89 %**	
Population existing generation-based study 5,351		**Population new generation-based study** 6,050	

5. If there is an increase between 4a and 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples, e.g. change in jurisdiction's demographics.

Current diversion is consistent with the City's programs, due to the nature of the community. Big Bear Lake's current programs and results may not be similar to what takes place in other cities, but this mountain community has several unique issues. Big Bear Lake experiences a high rate of tourism and second-home owners. Extensive road usage, combined with harsh weather conditions and increasing development, creates a large amount of asphalt and concrete waste. The City allows this recycled material to be used for base in all street construction projects. Big Bear Lake experiences a high volume of wood waste, due to extensive tree removal. This waste is no longer sent to any landfill, as fire wood and mulch are created. Tree stumps and roots are now recycled as well. Lake weeds are dredged and harvested for compost, as you saw in the pond area. These also create a unique situation for Big Bear Lake.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

The most important reason for the large difference in diversion rates is due to the grossly understated 1990 original base year estimate. There are several reasons for this error. Primarily, the method of estimating the 1990 tonnages was a total guess based on aerial photos. When scales were actually used, the City's tonnages went up rapidly. Additionally, when breaking down the components of the waste stream, intermittent surveyng was done. The problem with that is because Big Bear Lake's activities are so seasonal. Accurate tonnage figures for asphalt/concrete waste would have beeen impossible to get if it was surveyed for in any time other than summer. Furthermore, accurate 1990 figures would now be impossible to retrieve as the County did not keep records in 1990. The 1998 records are accurate and more closely reflect a current waste stream, generation, and diversion picture.

7. Disposal Tonnage: (enter values)	6859	10288	17147
	Residential	Non-Residential	Total

Please select the **ONE** choice below that best explains your **disposal** data and complete the required tables.

☑ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at http://www.ciwmb.ca.gov/lgcentral/forms/rytnmdrq.doc)

☐ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at http://www.ciwmb.ca.gov/lgcentral/forms/rytnmdrq.doc)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, [agricultural wastes,inert solids (e.g., concrete, asphalt, dirt, etc.), white goods, and scrap metal] please identify those programs/waste types and fill out section 10. Please mark as Attachment 8 all copies of survey forms.
*Please provide detailed Non-Residential waste information in Section 9.

*Please provide detailed non-Residential waste audit information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details subsantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmb.ca.gov/lgcentral/paris/codes/reduce.htm	(A)	(A/Total Generation)			
Residential Activities:					
Source Reduction					
Backyard composting					
Grasscycling		0.0%			
Other Residential source reduction (list each program separately)					
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal Residential Source Reduction	**0**	**0.0%**			
Recycling					
Curbside Recycling	187	0.3%	aluminum, glass, tin, newsprint, corrugated cardboard, mixed paper, #1 and #2 plastics	N/A	Franchised hauler's report on file with City
Buyback centers	136	0.2%	aluminum, glass, tin, newsprint, corrugated cardboard, mixed paper, #1 and #2 plastics	N/A	DOC records and on file with City
Drop-off centers	359	0.6%	aluminum, glass, tin, newsprint, corrugated cardboard, mixed paper, #1 and #2 plastics	N/A	Franchised hauler's report on file with City

Diversion Activity Please use the Board's program types. The program type glossary is online at: http://www.ciwmb.ca.gov/lgcentral/paris/codes/reduce.htm	Actual tons (A)	Relative Percent to Total Generation (A/Total Generation)	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (If any) and Source	Type of record and location of record
Other Residential recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Recycling	**682**	**1.1%**			
Composting					
Green waste drop-off					
Curbside green waste					
Christmas Tree program	6	0.0%	Christmas trees	N/A	Franchised hauler's report on file with City
Other Residential composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Composting	**6**	**0.0%**			
Subtotal Residential Diversion	**688**	**1.1%**			
Non-Residential Activities: **Source Reduction**					
Non-Residential Waste Audits*			**See Section 9**	**See Section 9**	**See Section 9**
Other non-Residential source reduction (list each program separately)					
Enter Program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Source Reduction	**0**	**0.0%**			

Diversion Activity Please use the Board's program types. The program type glossary is online at: http://www.ciwmb.ca.gov/lgcentral/paris/codes/reduce.htm	Actual tons (A)	Relative Percent to Total Generation (A/Total Generation)	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Recycling					
Non-Residential Waste Audits*	42475	68.4%	**See Section 9**	**See Section 9**	**See Section 9**
Other non-Residential recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	**42475**	**68.4%**			
Composting					
Non-Residential Waste Audits*	1800	2.9%	**See Section 9**	**See Section 9**	**See Section 9**
Other non-Residential composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	**1800**	**2.9%**			
Subtotal Non-Residential Diversion	**44275**	**71.3%**			
Residential/Non- Residential Diversion Activities					
ADC					
Sludge					
Scrap metal					
Construction and demolition					
Landfill salvage					
Subtotal Residential/Non-Residential diversion	**0**	**0.0%**			
Total Res/Non-Res Source Reduction Tons	**0**	**0.0%**			
Total Diversion Tons	**44963**	**72.4%**			
Total Disposal Tons from Sec.7	**17147**	**27.6%**			
Total Generation Tons (Div+Dis)	**62110**				

Diversion Rate	**72%**

9. Specific Non-Residential Sector Waste Audits-Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.
(Form will perform all addition calculations).
Please provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Type of Non-residential Generator	Audit Reference Number	Specific/Major Diversion Activities include material type (e.g. paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other ___
Construction Co.	RB8	asphalt/concrete recycled for road construction		14500		14500	23.3%	M/O
Tree Service, Demolition and Recycling	RB1	asphalt/concrete recycled for road construction; wood waste recycling into mulch, chips, animal bedding		13475		13475	21.7%	M/O
Construction and Dredging Co.	RB4	lake soils dredged and screened to make topsoil; asphalt/concrete recycled for road construction		9565		9565	15.4%	M/O
Municipality	RB2	asphalt/concrete recycled for road construction; soils recycled for construction;Christmas tree mulching		2933		2933	4.7%	City Hall records
Local Agency	RB7	lake weeds harvested and composted			1800	1800	2.9%	M/O
Grocer	RB9	mixed collection for recycling of OCC, plastics, bones, fat, organics		368		368	0.6%	M/O
Constructio Co.	RB3	asphalt/concrete recycled for road construction		240		240	0.4%	M/O
Construction Co.	RB6	asphalt/concrete recycled for road construction		200		200	0.3%	M/O
Totals				**41281**	**1800**	**43081**	69.4%	

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources. (e.g. Cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business)

Inerts (asphalt, concrete, soils) used in road construction: quantified based on actual weights of materials
Lake Soils used to make topsoil: quantified based on actual weights of materials
Wood: quantified based on actual weights of materials

Lake Solids used to make topsoil: quantified based on actual weights of materials
Wood: quantified based on actual weights of materials
Lake Weeds used to make compost: quantified based on actual weights materials
Mixed collection of grocery waste (OCC, plastics, bones, fat, organics): quantified based on actual weights of materials
Christmas Trees: quantified from actual weight on hauler weight tickets

10. For each restricted waste type [i.e., agricultural waste, inert solids, (e.g. concreter, asphalt, dirt, etc.) scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.
(Note: program name refers to one specific diversion program for that waste type; (e.g., diversion conducted by City Public Waste Dept).

Restricted Waste Type	Specific Program name	Year started	Tonnage
Pull Down for Waste Types	Asphalt and concrete recycled in road construction	1992	26705
Pull Down for Waste Types	Soils recycled for use in road repairs	1992	200
Pull Down for Waste Types	Lake soils dredged, screened and used for topsoil	1993	9500
Pull Down for Waste Types			
Pull Down for Waste Types			
Pull Down for Waste Types			

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 10b, provide the following documentation: (Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.
Instead please provide date of Board approval of preciously submitted information. _____ (Date)
If documentation is not available, go to 10d.

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs
[PRC Sec. 41781.2 (c) (2)]). Please include documentation.
- The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New base year or reporting year diversion tonnage
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. (***Note** : Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.)*

Restricted Waste Type	Specific Program name	New base year or reporting year tonnage	1990 diversion tonnage	Difference
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				

Attachment 9

Base Year Modification Request Certification

City of Big Bear Lake

Generator	Business Type	Material Type	Diversion Activity	Tonnage
RB1	tree svc, demolition,	asphalt & concrete (A/C)	reused for road construction	10,200
RB1	and recycling	wood	reuse as mulch & animal bedding	3,275
RB2	municipality	A/C	reused for road construction	500
RB2	municipality	soil	reuse as topsoil & in construction	2427
RB3	construction co.	A/C	reused for road construction	40
RB3	"	soil	reuse in construction	200
RB4	"	A/C	reused for road construction	65
RB4	"	soil	reuse for topsoil	9500
RB5	"	A/C	reused in road construction	1200
RB6	"	A/C	reused in road construction	200
RB7	local agency	lake weeds	composting	1800
RB8	construction co.	A/C	reused in road construction	14,500
RB9	grocer	organics, OCC, plastics, bones, fat	recycling	368
Total				**44,275**

all amounts are tonnages based on actual weights